

BRS 5 (phase near1 conjugate near1 conver\$6) same wavelength USPAT  
 2002/11/16 10:48 0  
 BRS 1 6122419.pn. USPAT 2002/11/17 20:51 0  
 BRS 0 6122419.pn. and (signal with demultiplexer with output) USPAT  
 2002/11/16 11:29 0  
 BRS 0 6122419.pn. and (signal with demultiplexer) USPAT 2002/11/16  
 11:30 0  
 BRS 1 6122419.pn. and (signal with output) USPAT 2002/11/16 11:51  
 0  
 BRS 1 6122419.pn. and ((four or "4") with wave) USPAT 2002/11/16  
 11:51 0  
 BRS 0 6122419.pn. and (mix\$6) USPAT 2002/11/16 11:52  
 0  
 BRS 62 (four with wave with mixing) and 385/\$.ccls. and demultiplex\$4  
 USPAT 2002/11/16 14:00 0  
 BRS 4 ((four with wave with mixing) and 385/\$.ccls. and demultiplex\$4) and  
 (AWG or Dragone) USPAT 2002/11/16 12:20 0  
 BRS 1 6324318.URPN. USPAT 2002/11/16 12:49  
 0  
 BRS 0 6292603.URPN. USPAT 2002/11/16 12:50  
 0  
 BRS 6 ("5048909" | "5093876" | "5978114" | "5982518" | "6122418" |  
 "6188823").PN. USPAT 2002/11/16 12:51 0  
 BRS 6 ((four with wave with mixing) same (AWG or grating)) and 385/\$.ccls.  
 and demultiplex\$4 USPAT 2002/11/16 13:21 0  
 BRS 4 ((four with wave with mixing) and 385/\$.ccls. and demultiplex\$4) and  
 ((four with wave with mixing) with \$9conjugate) USPAT 2002/11/16 13:40  
 0  
 BRS 39 ((four with wave with mixing) and 385/\$.ccls. and demultiplex\$4) and  
 polariz\$9 USPAT 2002/11/16 14:03 0  
 BRS 11 ((four with wave with mixing) and 385/\$.ccls. and demultiplex\$4) and  
 (polariz\$9 with beam with split\$6) USPAT 2002/11/16 19:01  
 0  
 BRS 0 6122419.pn. and (polariz\$9 same split\$6) USPAT 2002/11/16  
 15:00 0  
 BRS 10 ((four with wave with mixing) and 385/\$.ccls. and demultiplex\$4) and  
 (polariz\$9 near2 split\$6) USPAT 2002/11/16 15:33 0  
 BRS 1929 (polariz\$9 near2 split\$6) with wave\$6 with plate USPAT  
 2002/11/16 15:37 0  
 BRS 89 ((polariz\$9 near2 split\$6) with wave\$6 with plate) and 385/\$.ccls.  
 USPAT 2002/11/16 15:38 0  
 BRS 1792 (polariz\$9 adj1 beam adj1 split\$6) with wave\$6 with plate USPAT  
 2002/11/16 15:37 0  
 BRS 70 ((polariz\$9 adj1 beam adj1 split\$6) with wave\$6 with plate) and  
 385/\$.ccls. USPAT 2002/11/16 15:39 0

BRS	70	((polariz\$9 adj1 beam adj1 split\$6) with wave\$6 with plate) and 385/\$.ccls.	USPAT	2002/11/16 15:39	0
BRS	0	6122419.pn. and (circulator with plate)	USPAT	2002/11/16 16:27	0
BRS	1	6122419.pn. and (circulator same plate)	USPAT	2002/11/16 15:43	0
BRS	0	6122419.pn. and (clock with plate)	USPAT	2002/11/16 16:28	0
BRS	1	6122419.pn. and (clock)	USPAT	2002/11/16 16:29	0
BRS	0	6122419.pn. and (clk)	USPAT	2002/11/16 17:09	0
BRS	0	6122419.pn. and (polariz\$9 near2 fiber)	USPAT	2002/11/16 17:10	0
BRS	0	6122419.pn. and (panda)	USPAT	2002/11/16 17:10	0
BRS	1	6122419.pn. and (maintaining)	USPAT	2002/11/16 19:31	0
BRS	1	6122419.pn. and (compensat\$6 same dispers\$6)	USPAT	2002/11/16 18:24	0
BRS	1	6307984.pn.	USPAT	2002/11/16 18:00	0
BRS	1	6122419.pn. and (transmission adj1 line)	USPAT	2002/11/16 23:03	0
BRS	0	6122419.pn. and (locat\$6 adj1 line)	USPAT	2002/11/16 18:30	0
BRS	2	(fiber adj1 loop adj1 mirror) with circulator	USPAT	2002/11/16 19:02	0
BRS	1	6122419.pn. and (output with modulator)	USPAT	2002/11/16 19:32	0
BRS	2	AWG with phase\$3 same (nonlinear or non-linear) and 385/\$.ccls.	USPAT	2002/11/17 00:16	0
BRS	19	AWG with phase\$3 and 385/\$.ccls.	USPAT	2002/11/16 23:06	0
BRS	1	6122419.pn. and (phase\$3 with (AWG or grating or array))	USPAT	2002/11/16 23:55	0
BRS	0	conjugat\$6 with (AWG or grating or array) and 385/\$.ccls,	USPAT	2002/11/16 23:18	0
BRS	66	conjugat\$6 with (AWG or grating or array) and optic\$6 and waveguide	USPAT	2002/11/16 23:18	0
BRS	1	6122419.pn. and ((array\$3 or AWG) same (\$6linear or \$6order))	USPAT	2002/11/16 23:56	0
BRS	6	AWG with diffraction with order and 385/\$.ccls.	USPAT	2002/11/17 00:20	0
BRS	3	(nonlinear or non-linear) with diffraction with order and 385/\$.ccls.	USPAT	2002/11/17 00:21	0

BRS 3 (nonlinear or non-linear) with diffraction with order and 385/\$.ccls.  
 USPAT 2002/11/17 00:22 0  
 BRS 0 (nonlinear or non-linear) with diffraction with order same (AWG or  
 (arrayed with waveguide)) USPAT 2002/11/17 00:23 0  
 BRS 43 Dragone and (diffraction with order) USPAT 2002/11/17 15:02  
 0  
 BRS 0 (average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6) USPAT 2002/11/17 15:04 0  
 BRS 73 (average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6) USPAT 2002/11/17 15:22 0  
 BRS 4 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and average with product USPAT 2002/11/17 15:06  
 0  
 BRS 3 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (AWG or AGR or (arrayed with grating) or Dragone) USPAT  
 2002/11/17 15:13 0  
 BRS 3 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (AWG or AGR or (arrayed with grating)) USPAT  
 2002/11/17 15:13 0  
 BRS 50 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (line with (length or distance)) USPAT 2002/11/17 15:27  
 0  
 BRS 35 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and repeater USPAT 2002/11/17 15:36 0  
 BRS 23 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (repeater same power) USPAT 2002/11/17 15:37  
 0  
 BRS 15 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and repeater with (spacing or segment or length) USPAT  
 2002/11/17 15:39 0  
 BRS 13 (((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (repeater same power)) and (((average with power) and (long\$6 with  
 transmission with line) and (fiber near1 optic\$6)) and repeater with (spacing or segment  
 or length)) USPAT 2002/11/17 15:38 0  
 BRS 37 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (repeater or regenerator) USPAT 2002/11/17 15:36  
 0  
 BRS 15 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (repeater or regenerator) with (spacing or segment or length)  
 USPAT 2002/11/17 15:37 0  
 BRS 23 ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and ((repeater or regenerator) same power) USPAT 2002/11/17  
 15:40 0  
 BRS 13 (((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (repeater or regenerator) with (spacing or segment or length)) and  
 (((average with power) and (long\$6 with transmission with line) and (fiber near1

optic\$6)) and ((repeater or regenerator) same power))      USPAT      2002/11/17  
 15:39      0

BRS 14      (((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and repeater with (spacing or segment or length or span)) and ((repeater  
 or regenerator) same power)      USPAT      2002/11/17 15:40      0

BRS 16      (((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and repeater with (spacing or segment or length or span)) and ((nonlinear  
 or non-linear) or (high\$3 with order))      USPAT      2002/11/17 15:49  
 0

BRS 0      (((((average with power) and (long\$6 with transmission with line) and  
 (fiber near1 optic\$6)) and repeater with (spacing or segment or length or span)) and  
 ((nonlinear or non-linear) or (high\$3 with order))) and (uniform\$7 with dispers\$6)  
 USPAT      2002/11/17 15:50      0

BRS 0      (((((average with power) and (long\$6 with transmission with line) and  
 (fiber near1 optic\$6)) and repeater with (spacing or segment or length or span)) and  
 ((nonlinear or non-linear) or (high\$3 with order))) and (homogen\$9 with dispers\$6)  
 USPAT      2002/11/17 15:50      0

BRS 1      ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and (homogen\$9 with dispers\$6)      USPAT      2002/11/17 15:53  
 0

BRS 0      (long\$6 with transmission with line) and ((homogen\$9 with uniform\$9)  
 with dispers\$6) and (optic\$6 with fiber)      USPAT      2002/11/17 15:57  
 0

BRS 0      (long\$6 with transmission) and ((homogen\$9 with uniform\$9) with  
 dispers\$6) and (optic\$6 with fiber)      USPAT      2002/11/17 15:56  
 0

BRS 1      (long\$6 with line) and ((homogen\$9 with uniform\$9) with dispers\$6) and  
 (optic\$6 with fiber)      USPAT      2002/11/17 15:57      0

BRS 2      (transmission with line) and ((homogen\$9 with uniform\$9) with  
 dispers\$6) and (optic\$6 with fiber)      USPAT      2002/11/17 15:57  
 0

BRS 18      (long\$6 with transmission with line) and ((homogen\$9 or uniform\$9) with  
 dispers\$6) and (optic\$6 with fiber)      USPAT      2002/11/17 15:59  
 0

BRS 14      (((long\$6 with transmission with line) and ((homogen\$9 or uniform\$9)  
 with dispers\$6) and (optic\$6 with fiber)) and power      USPAT      2002/11/17 16:16  
 0

BRS 6      (((long\$6 with transmission with line) and ((homogen\$9 or uniform\$9)  
 with dispers\$6) and (optic\$6 with fiber)) and power) and coefficient      USPAT  
 2002/11/17 16:17      0

BRS 16      ((average with power) and (long\$6 with transmission with line) and (fiber  
 near1 optic\$6)) and repeater with (spacing or segment or length or span)      USPAT  
 2002/11/17 17:45      0

BRS 150      spacing with repeater and (385/\$.ccls. or 359/\$.ccls.)      USPAT  
 2002/11/17 17:47      0

BRS 71 (spacing with repeater and (385/\$.ccls. or 359/\$.ccls.)) and transmission  
 with line USPAT 2002/11/17 17:48 0  
 BRS 11 ((spacing with repeater and (385/\$.ccls. or 359/\$.ccls.)) and transmission  
 with line) and spacing with equal\$6 USPAT 2002/11/17 17:48  
 0  
 BRS 1 6122419.pn. and (filter with polar\$9)USPAT 2002/11/17 21:06  
 0  
 BRS 0 (polarization with beam with splitter with ports) same circulator same  
 (PMF or PANDA or PPF) USPAT 2002/11/17 21:09 0  
 BRS 0 (polarization with beam with splitter) same ports same circulator same  
 (PMF or PANDA or PPF) USPAT 2002/11/17 21:42 0  
 BRS 1 (polarization with beam with splitter) and (ports same circulator same  
 (PMF or PANDA or PPF)) USPAT 2002/11/17 21:21 0  
 BRS 1 (beam with splitter) and (ports same circulator same (PMF or PANDA or  
 PPF) same polariz\$9) and (polariz\$9 with beam with splitter) USPAT  
 2002/11/17 21:25 0  
 BRS 1 (beam with splitter) and (ports same circulator same (PMF or PANDA or  
 PPF) same polariz\$9) and (polariz\$9 with splitter) USPAT 2002/11/17 21:48  
 0  
 BRS 12 (polariz\$9 near2 splitter) same (PMF or PANDA or PPF) USPAT  
 2002/11/17 21:42 0  
 BRS 1 ((beam with splitter) or PBS) and (ports same circulator same (PMF or  
 PANDA or PPF) same polariz\$9) and (polariz\$9 with splitter) USPAT  
 2002/11/17 21:55 0  
 BRS 0 ((linear adj1 polariz\$3) or PBS) and (ports same circulator same (PMF or  
 PANDA or PPF) same polariz\$9) and (polariz\$9 with splitter) USPAT  
 2002/11/17 21:55 0  
  
 BRS 66 conjugat\$6 with (AWG or grating or array) and optic\$6 and waveguide  
 USPAT 2002/11/16 23:28 0  
  
 BRS L13 1 6122419.pn. and (filter with polar\$9)USPAT 2002/11/17  
 21:06 0  
 BRS L14 0 (polarization with beam with splitter with ports) same circulator  
 same (PMF or PANDA or PPF) USPAT 2002/11/17 21:09  
 0  
 BRS L15 0 (polarization with beam with splitter) same ports same circulator  
 same (PMF or PANDA or PPF) USPAT 2002/11/17 21:42  
 0  
 BRS L16 1 (polarization with beam with splitter) and (ports same circulator  
 same (PMF or PANDA or PPF)) USPAT 2002/11/17 21:21  
 0  
 BRS L17 1 (beam with splitter) and (ports same circulator same (PMF or  
 PANDA or PPF) same polariz\$9) and (polariz\$9 with beam with splitter) USPAT  
 2002/11/17 21:25 0

BRS L18 1 (beam with splitter) and (ports same circulator same (PMF or  
 PANDA or PPF) same polariz\$9) and (polariz\$9 with splitter) USPAT  
 2002/11/17 21:48 0  
 BRS L19 12 (polariz\$9 near2 splitter) same (PMF or PANDA or PPF)  
 USPAT 2002/11/17 21:42 0  
 BRS L20 1 ((beam with splitter) or PBS) and (ports same circulator same  
 (PMF or PANDA or PPF) same polariz\$9) and (polariz\$9 with splitter) USPAT  
 2002/11/17 21:55 0  
 BRS L21 0 ((linear adj1 polariz\$3) or PBS) and (ports same circulator same  
 (PMF or PANDA or PPF) same polariz\$9) and (polariz\$9 with splitter) USPAT  
 2002/11/17 23:12 0  
 BRS L22 0 6411413.URPN. USPAT 2002/11/17 22:26  
 0  
 BRS L23 3 6122419.pn. or 6307984.pn. or 6411413.pn. USPAT  
 2002/11/17 23:12 0